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| Mail Stop Issue Fee United States Patent & Trademark Office | 703-872-9306 | |

From: Valerie Hayes
Phone: (202) 496-7564
Re: U.S. Patent Application No. 10/025,902
Filing Date: December 26, 2001
Confirmation No. 7628
Art Unit: 2883
Our Reference: 8733.559.00

Part I

Number of Pages (including cover): 138

COMMENTS

Please find attached a copy of the Information Disclosure Statement and applicable references submitted to the USPTO on December 26, 2001 for the above-referenced case.

Thank You

Confidentiality Notice:

The information contained in this facsimile is legally privileged and confidential information intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this telecopy is strictly prohibited. If you have received this telecopy in error, please immediately notify us by telephone and return the original message to us at the address above via the United States Post Office. Thank you.

User No.:

Client/Matter No.: 8733.559.00

PATENT/WASHINGTON

File No. 8733.559.00Atty: RAG/esLAN NO: 559Application No.: TBAIn the Matter of the Application of: Hong-Man MOON et al.

For: **SUBSTRATE FOR IN-PLANE SWITCHING MODE
LIQUID CRYSTAL DISPLAY DEVICE AND
METHOD FOR FABRICATING THE SAME**

Filed: December 26, 2001Date: December 26, 2001

The following has been received in the U.S. Patent Office on
the date stamped hereon:

1. Check in the amount of \$1,512.00
2. Utility Patent Application Transmittal
Specification (24 pgs.), Drawings (8 Sheets Figs. 1-7C)
3. Fee Transmittal Sheet (Duplicate)
4. Declaration, Power of Attorney and Petition (3 Pages)
5. FORM PTO-1595 Recordation Form Cover Sheet
with executed Assignment Document (3 Pages)
6. Request for Priority w/Certified copy of Korean Application
No.2000-85006
7. Information Disclosure Statement w/Form PTO-1449
8. 16 References as cited on Form PTO-1449

DUE DATE: December 29, 2001**DJC**

Docket No.: 8733.559.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Hong-Man MOON et al.

GROUP ART UNIT: TBA

SERIAL NUMBER: TBA

EXAMINER: TBA

FILED: December 26, 2001

FOR: SUBSTRATE FOR IN-PLANE SWITCHING MODE LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR FABRICATING THE SAME

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The Applicant(s) wish to make of record the references listed on the attached Form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending applications or issued patents which may be related to the present application. A copy of the patent(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

PETITION


- ☐ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR § 1.17(i)(1).

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account No. 50-0911. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

LONG, ALDRIDGE & NORMAN LLP


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December 26, 2001

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY
APPLICANT

(Use Several Sheets if Necessary)

Date: December 26, 2001

Attorney Docket No.
8733.559.00Application No.
TBAApplicant
Hong-Man MOON et al.Filing Date
December 26, 2001Group
TBA

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL* | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--------------------|---------|-----------------|-------|----------|-------------------------------|
| | 5,598,285 | 1/1997 | Kondo et al. | 349 | 39 | September 20, 1993 |
| | 5,838,037 | 11/1998 | Masutani et al. | 257 | 296 | May 19, 1997 |
| | 5,946,060 | 8/1999 | Nishiki et al. | 349 | 48 | June 3, 1997 |
| | 5,990,987 | 11/1999 | Tanaka | 349 | 43 | November 17, 1998 |
| | 6,028,653 | 2/2000 | Nishida | 349 | 141 | June 19, 1997 |
| | 6,097,454 | 8/2000 | Zhang et al. | 349 | 43 | June 29, 1999 |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION |
|--------------------|--------|---------|-------------|
| | | | YES NO |
| 09-005764 | 1/1997 | Japan | Abstract |
| 09-073101 | 3/1997 | Japan | Abstract |
| 09-105908 | 4/1997 | Japan | Abstract |
| 09-101538 | 4/1997 | Japan | Abstract |
| | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|--|---|
| | R. Kieler et al.; "In-Plane Switching of Nematic Liquid Crystals"; Japan Display '92; pages 547-550 |
| | M. Oh-e, et al.; "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode"; Asia Display '95; pages 577-580 |
| | M. Ohta et al.; "Development of Super-TFT-LCDs with In-Plane Switching Display Mode"; Asia Display '95; pages 707-710 |
| | S. Matsumoto et al.; "Display Characteristics of In-Plane Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5-in. OPS TFT-LCD; Euro Display '96; pages 445-448 |
| | H. Wakemoto et al.; "An Advanced In-Plane Switching Mode TFT-LCD"; SID 97 Digest; pages 929-932 |
| | S.H. Lee et al.; "High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled by Fringe-Field Switching; Asia Display '98; pages 371-374 |
| | |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**English-language abstract provided.